

(B i b l i o g r a p h i c a l   D a t a)

Utility Model Gazette

Publication No.      5-14620

Publication Date:   November 21, 1930

Application No.      5-24839

Application Date:   August 27, 1930

Title of Utility Model:   A torch lamp

Creator(s) :            Yasutake Sato in Japan

Applicant(s) :        Yuasa Battery Co., Ltd. in Japan

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(Explanatin of Utility Model, Scope of claim and drawing follow.)

昭和五年 實用新案出願公告第二四六二〇號

第二百類 四、自然電燈

願書番號昭和五年第二四八三九號  
出願 昭和五年八月二十七日  
公告 昭和五年十一月二十一日

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## 懷中電燈

圖面ノ略解 第一圖ハ本案ノ縱斷面圖第二圖ハ本案主要部ヲ開示セル斜視圖第三圖ハ第一圖五—五線上ノ橫斷面而圖第四圖ハ第二圖內部分品ノ外觀正面圖ニシテ圖中同一符號ハ同一部分ヲ示ス

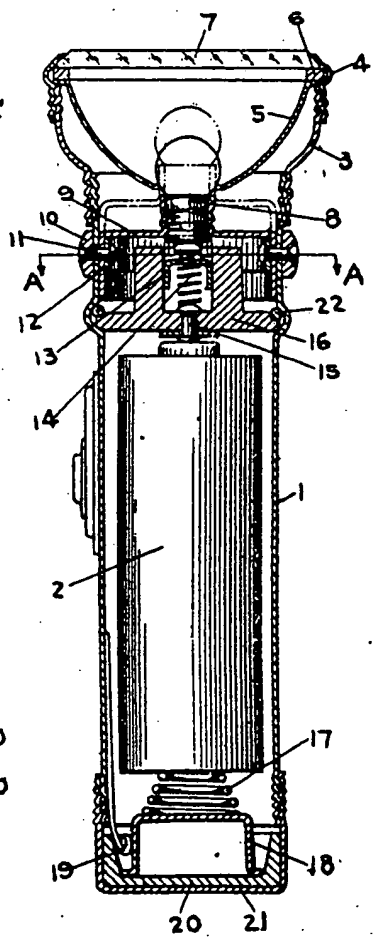
實用新案ノ性質、作用及效果ノ要領 本案ハ電池外筒ニ取付ケタル「リング」ノ回轉ニ依リ燈具ノ伸縮ヲナサシメテ反射鏡ニ對スル電球ノ位置ヲ任意ニ調節シ得ル如クナシタル懷中電燈ニ係リ圖中「ハ」金屬製外筒ニシテ其ノ中ニ電池「ニ」ヲ收容ス「ハ」エボナイト等ノ絕緣物ニテ作レル絕緣臺ニシテ彈性缺環「ニ」ヨリテ外筒內ニ緊定シ絕緣臺「ニ」ハ接觸片「ヲ」挿込ミ其ノ上ニ螺線發條「ヲ」取付ケ該發條「ニ」ハ電球受「ヲ」裝冠シ電球「ヲ」常ニ押壓シ且伸縮スル如クナシ絕緣臺「ノ」上方ニハ第四圖ニ示スカ如キ電球取付函「ヲ」置キ其ノ內部ニハ座環「ヲ」嵌入セシム「ハ」外筒ニ嵌入セル回轉自在ノ「リング」ニシテ「ハ」以テ第四圖電球取付函「ノ」側壁ニ穿テタル傾斜溝「ハ」第二圖外筒「ニ」穿テタル誘導溝「ヲ」及第三圖座環「ヲ」貫通シテ之ヲ銑着セリ「ハ」反射鏡受ニシテ圖ノ如ク螺着シ押へ具「ト」共ニ反射鏡「ハ」レンズ「ヲ」及「ハ」受「ヲ」螺着ス又第四圖廻止メ溝「ヲ」電球取付函「ノ」側壁ニ設ケ之ヲ外筒ノ突子「ニ」嵌入シ電球取付函「カ」リング「ノ」旋廻ノ際上下遊動ヲナス如クセリ又外筒底部ニハ蓋「ヲ」內部ニ絕緣函「ヲ」收容シ其ノ內側ニ彈性發條「ヲ」固着シタル金屬函「ヲ」裝入シ蓋「ヲ」螺着セハ同時ニ絕緣物ニテ被覆セル金屬板「ヲ」一端ハ金屬函「ニ」接觸シ他端ハ開閉器ニ連結ス而シテ電池「ノ」一極ハ接觸片「ヲ」發條「ヲ」電球受「ヲ」經テ電球「ニ」通シ他極ハ前述ノ如ク彈性發條「ヲ」金屬函「及」開閉器「ヲ」經テ外筒「ニ」リング「ヲ」銑「ハ」座環「ヲ」電球取付函「ヲ」經テ電球「ニ」至リテ回路ヲ形成ス尙「リング」「ヲ」回轉セハ電球取付函「ハ」上下シ從テ電球「ノ」上下遊動ヲナサシメ反射鏡「ニ」對スル電球ノ位置ヲ調節スルモノトス

本案ニヨルトキハ電池ヲ一定位置ニ保持シ且反射鏡ヲ動カスコトナク單ニ「リング」ヲ廻轉スルコトノミニヨリ反射鏡ヲ調節シ得ルヲ以テ其ノ操作至極便利ニシテ此種他電燈ノ如ク電池ノ底部ヲ無理ニ壓スルノ必要ナク各接觸部ハ完全ニ其ノ接觸ヲ保持スルノ效果アリ

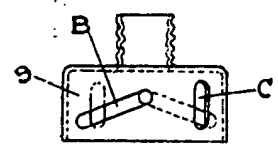
登録請求ノ範圍 圖面並ニ説明ニ示スカ如ク外筒①ノ内部ニ絶緣蓋②ヲ座セシメ其ノ中央孔ニ螺線發條③ヲ收容シテ電球根部ヲ伸縮自在ニ壓スル如クシ電球根部④ハ電球取付函⑤ニ螺着シ該函ニハ傾斜溝⑥ト廻リ止メ溝⑦ヲ設ケ外筒①ニ嵌入セル「リング」⑧ノ廻轉ニ伴ヒ電球取付函ハ上下遊動シ猶底蓋⑨ヲ外筒①ニ螺着スルコトニヨリテ金屬函⑩カ開閉器ニ連結セル金屬片⑪ニ接觸シ回路ヲ作ル如クナセル懐中電燈ノ構造

實用新案出願公告第一四六二〇號

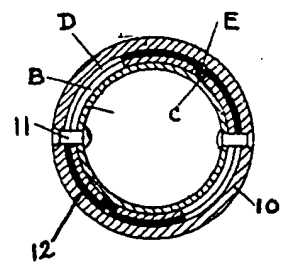
圖一第



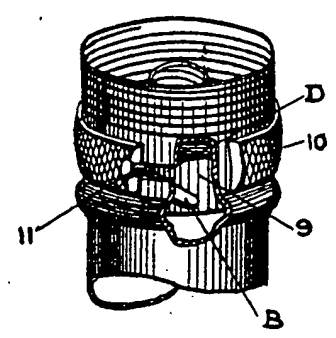
圖四第



圖三第



圖二第



Summarized Translation of Citation 2b

(Relevant parts only)

Japanese Utility Model Publication (KOKOKU) No. 5-14620  
published Nov. 21, 1930

Japanese Utility Model Application No. 5-24839 filed  
Aug. 27, 1930

Applicant: YUASA BATTERY CO., LTD., Osaka, Japan

Inventor: Yasutaka SATO, Japanese citizen

Convention priority claimed: None

Title of Invention: A flash lamp

Detailed Description of Invention:

The present invention relates to a flash lamp in which a lighting means is elongated by rotating a ring attached onto an outer casing of a battery so as to adjust desirably a position of a bulb with respect to a reflective mirror. Reference numeral 1 is a metallic outer casing which holds a battery (2) therein. 16 is an insulating base made of ebonite. The insulating base is fixed in the outer casing by an elastic ring (22). A contact piece (15) is inserted into the insulating base (16). A spiral spring (14) is attached onto the contact piece. A bulb receiver (13) is mounted on the spiral spring which stretches to always push it. As seen from Fig. 4, a casing (9) mounting a bulb is disposed above the insulating base (16), and a seating ring (12) is fitted into the casing (9). 10 is a rotatable ring

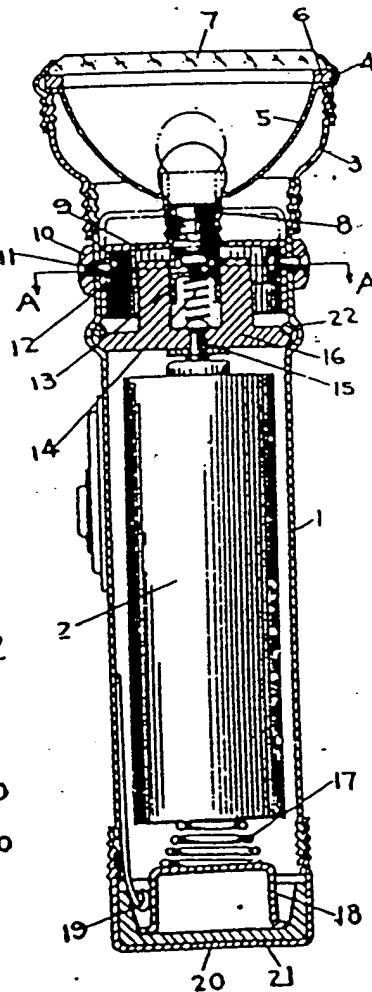
which engages with the outer casing. The ring (10) is riveted on the seating ring (12) in Fig. 3 with the rivet (11) through a guide groove (D) formed on the outer casing (1) in Fig. 2 and an inclined groove (B) formed on a side wall of the casing (9) mounting the bulb in Fig. 4. 3 is a reflective mirror receiver which is screwed as in the figure. A pressing member (4), a reflective mirror (5), a lens (7), and a lens receiver (6) are screwed. As in Fig. 4, a rotation stop groove (C) is formed on a side wall of the casing mounting the bulb. A projection piece (E) engages with the rotation stop groove. Thus, during the rotation of the ring (10), the casing (9) attaching the bulb moves upwardly and downwardly.

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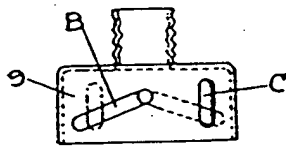
登録請求ノ範圍 圖面並ニ説明ニ示シカ如ク外筒(1)ノ内部ニ絶縁蓋(16)ヲ座セシメ其ノ中央孔ニ螺線發條(17)ヲ收容シテ電球根部ヲ伸縮自在ニ爲スル如クシ電球根部ニハ電球取付筒(18)ニ螺着シ該筒ニハ傾斜溝(19)ト廻轉止メ溝(20)ヲ設ケ外筒(1)ニ嵌入セル「リリング」トテ廻轉ニ作シ電球取付筒ハ上下運動シ猶底蓋(21)ヲ外筒(1)ニ螺着スルコトニヨリテ金屬筒(1)カ開閉器ニ連結セル金屬片(18)ニ接觸シ回路ヲ作ル如クナセル様中電燈ノ構造

## 實用新案出願公告第一四六二〇號

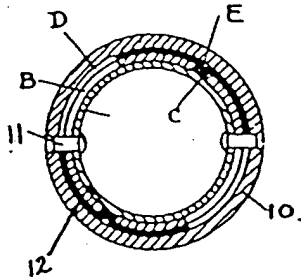
圖一第 Fig. 1



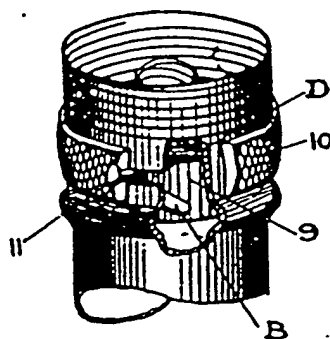
圖四第 Fig. 4



圖三第 Fig. 3



圖二第 Fig. 2



the insulating base (16), and a seating ring (12) is fitted into the casing (9). 10 is a rotatable ring